Water-Data Report 2011

09418500 Meadow Valley Wash Near Caliente, NV

Lower Colorado-Lake Mead Basin
Meadow Valley Wash Subbasin

LOCATION.--Lat 37°33′30.16″, long 114°33′47″ referenced to North American Datum of 1983, in SW ¼ NE ¼ sec.35, T.4 S., R.66 E., Lincoln County, NV, Hydrologic Unit 15010013, on right bank, 0.5 mi east of Etna, 4.5 mi southwest of Caliente, and 6 mi downstream from Clover Creek.

DRAINAGE AREA.--1,670 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Jan. 1951 to Sep. 1960, Nov. 1964 to Sep. 1983, Oct. 1984 to Jan. 2005, and April 2005 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,200 ft above National Geodetic Vertical Datum of 1929, by barometer. Prior to Jun. 16, 1955, at site 1.8 mi downstream at different datum. Prior to Oct. 29, 1998 at site 3.0 mi downstream at different datum. Site moved back to the pre 1998 site in Apr. 2005, after the gage was destroyed in flood Jan. 2005.

REMARKS.--Records fair except for estimated daily values, which are poor. Several diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,000 ft^3/s, Jan. 10, 2005, gage height 23.36 ft (datum then in use); no flow at times, some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 22	1800	*2,400	*12.86

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 09418500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/09418500.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e1.0	e1.2	e1.4	20	8.1	10	8.0	6.9	5.9	2.1	2.3	1.6
2	e1.0	e1.2	e1.4	7.7	7.5	10	7.6	6.6	5.1	1.9	2.1	1.7
3	e1.0	e1.2	e1.4	7.5	7.9	9.8	7.4	7.0	5.5	1.9	2.1	1.8
4	e1.0	e1.2	e1.4	7.4	8.1	9.1	7.0	7.0	5.2	2.0	1.9	1.8
5	e1.0	e1.2	e1.4	6.8	8.4	9.4	7.3	6.6	4.4	2.0	1.6	2.0
6	e1.1	e1.2	e1.5	7.0	8.9	9.8	7.3	7.0	4.4	1.9	1.6	2.1
7	e1.1	e1.2	e1.5	7.0	9.1	11	7.7	6.7	3.7	2.1	1.5	2.0
8	e1.1	e1.2	e1.5	6.5	9.1	9.4	8.6	6.6	3.6	2.2	1.5	1.9
9	e1.1	e1.2	1.5	6.6	8.3	9.3	8.7	7.9	3.6	2.1	1.6	2.0
10	e1.1	e1.2	1.6	6.4	8.7	9.5	8.5	7.7	3.7	2.7	1.6	2.1
11	e1.1	e1.2	1.9	6.4	8.4	9.4	8.1	7.3	3.7	2.6	1.6	2.4
12	e1.1	e1.2	1.8	6.7	8.6	9.0	7.8	6.5	3.6	2.6	1.6	2.6
13	e1.1	e1.3	1.8	6.8	9.1	8.3	7.6	5.9	3.6	2.2	1.7	2.8
14	e1.1	e1.3	1.5	7.5	9.2	8.0	7.7	5.7	3.5	2.0	1.9	3.1
15	e1.1	e1.3	1.5	7.8	9.2	8.0	7.4	5.6	3.3	2.0	1.8	3.0
16	e1.1	e1.3	1.2	8.1	9.9	8.4	7.4	5.8	3.1	1.9	1.7	2.7
17	e1.1	e1.3	1.2	8.7	9.2	8.6	7.2	6.0	3.0	1.9	1.7	3.2
18	e1.1	e1.3	1.4	8.5	9.1	8.6	7.3	7.4	3.1	1.9	1.5	2.8
19	e1.1	e1.3	1.7	8.4	12	8.4	7.2	7.3	3.1	1.7	1.5	3.0
20	e1.1	e1.3	2.2	7.7	12	8.5	7.0	7.1	3.1	1.7	1.5	3.2
21	e1.1	e1.3	751	7.8	11	10	6.7	6.9	2.9	1.6	1.5	3.4
22	e1.1	e1.3	1,450	8.2	10	9.4	6.3	6.9	2.7	1.5	1.4	3.1
23	e1.1	e1.3	876	7.8	10	9.2	6.2	7.0	2.4	1.5	1.4	3.3
24	e1.1	e1.3	704	7.5	9.8	10	6.1	6.8	2.4	1.5	1.5	3.2
25	e1.1	e1.3	723	7.7	10	10	6.2	6.5	2.4	1.5	1.5	3.0
26	e1.1	e1.3	634	7.8	12	11	6.3	6.4	2.3	1.6	1.5	2.3
27	e1.1	e1.4	550	7.6	11	10	6.1	6.1	2.3	1.7	1.8	2.2
28	e1.1	e1.4	471	8.0	11	9.5	6.7	6.2	2.1	1.6	1.9	2.3
29	e1.1	e1.4	382	8.5	---	8.7	6.6	6.5	2.0	1.6	1.8	2.3
30	e1.1	e1.4	268	8.8	---	8.4	6.7	6.3	2.1	1.6	1.6	2.4
31	e1.2	---	75	8.8	---	8.1	---	6.4	---	2.4	1.6	---
Total	33.7	38.2	6,914.8	248.0	265.6	286.8	216.7	206.6	101.8	59.5	51.8	75.3
Mean	1.09	1.27	223	8.00	9.49	9.25	7.22	6.66	3.39	1.92	1.67	2.51
Max	1.2	1.4	1,450	20	12	11	8.7	7.9	5.9	2.7	2.3	3.4
Min	1.0	1.2	1.2	6.4	7.5	8.0	6.1	5.6	2.0	1.5	1.4	1.6
Ac-ft	67	76	13,720	492	527	569	430	410	202	118	103	149

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.10	4.38	10.7	11.8	24.5	30.7	15.1	5.79	2.94	2.62	4.43	2.53
Max	22.5	17.5	223	127	297	280	160	28.9	11.5	13.9	44.4	16.8
(WY)	(2005)	(2005)	(2011)	(1993)	(1993)	(1978)	(1969)	(1998)	(1956)	(1956)	(1955)	(1998)
Min	0.11	0.12	0.20	0.15	0.20	0.76	0.66	0.33	0.10	0.04	0.08	0.11
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2004)	(2002)	(2002)	(2002)	(2002)

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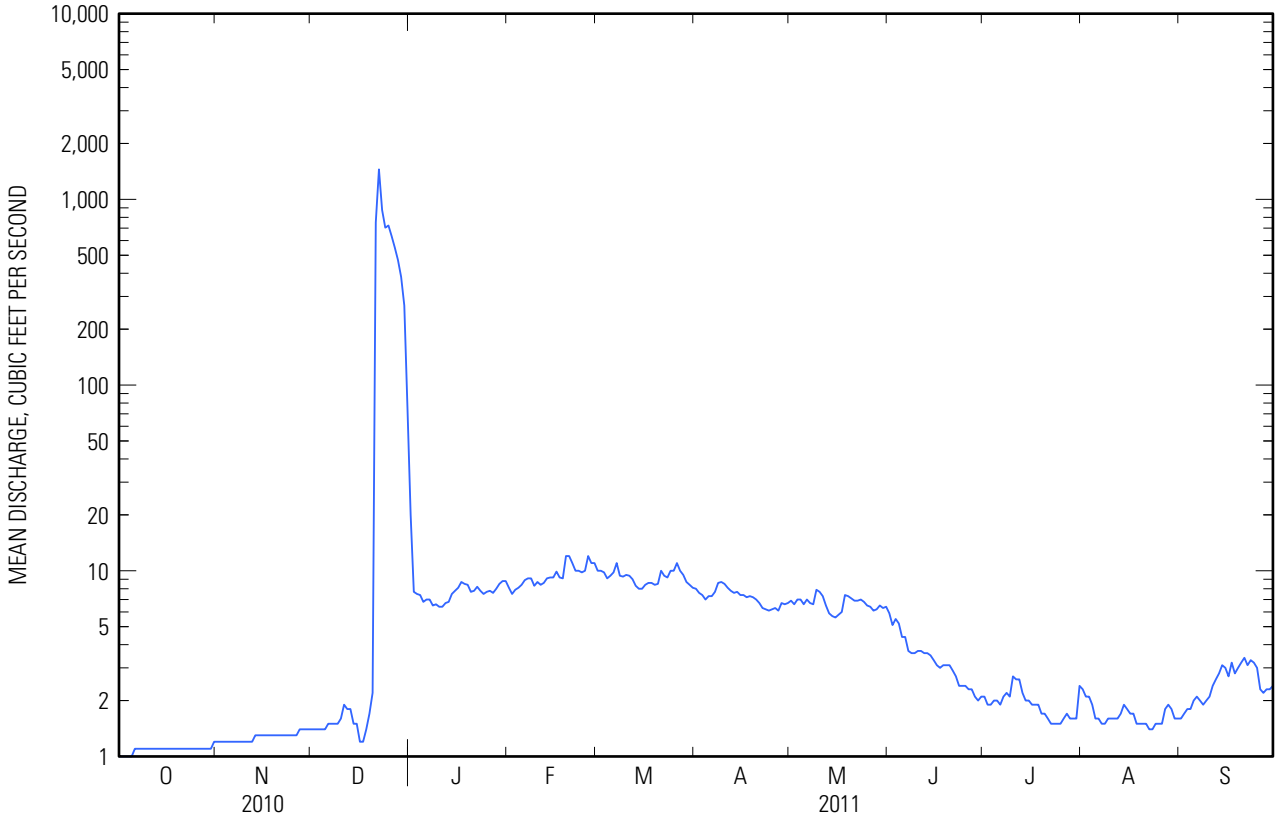
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1951 - 2011	
Annual total	7,799.16		8,498.8			
Annual mean	21.4		23.3		9.91	
Highest annual mean					61.5	1993
Lowest annual mean					0.41	2004
Highest daily mean	1,450	Dec 22	1,450	Dec 22	1,480	Mar 5, 1978
Lowest daily mean	0.26	Jul 10	1.0	Oct 1	0.00	Jul 26, 1966
Annual seven-day minimum	0.26	Jul 10	1.0	Oct 1	0.00	Jul 11, 2000
Maximum peak flow			2,400	Dec 22	8,000	Jan 10, 2005
Maximum peak stage			12.86	Dec 22	23.36	Jan 10, 2005
Annual runoff (ac-ft)	15,470		16,860		7,180	
10 percent exceeds	7.6		9.4		14	
50 percent exceeds	1.6		3.1		3.2	
90 percent exceeds	0.82		1.2		0.99